

a base member disposed in the container section and having various substances for detection fixed thereto, the substances having predetermined chemical structures fixed at respective fixed positions relative to the base member which are arranged in a predetermined condition, and with each of the chemical structures associated with each of the fixed positions,

a drawing and discharging section which is adapted to draw and discharge said liquid into and from the container section via said inlet/outlet, and

a measuring device which is able to receive light from the contained base member, transmitted through the transparent wall of the container section, external to said container section and in a condition associated with said fixed position.

5. (AMENDED) A device for containing, reacting and measuring according to claim 2, further comprising a moving section which is capable of relatively moving said inlet/outlet and a processing area where externally provided containers or the like are mounted.

6. (AMENDED) A device for containing, reacting and measuring according to claim 2, further comprising an identification section for performing identification of said target substance based on an identification pattern obtained by scanning with said measuring device an area containing all fixed positions of said base member which have been formed by combining labeled target substances with substances for detection.

7. (AMENDED) A device for containing, reacting and measuring according to claim 2, wherein said base member is formed in a long and slender shape, and the substances for detection are lined up and fixed along a longitudinal direction thereof, wherein said container section is a slender tube, and said base member is contained with the longitudinal direction thereof along the axial direction of the slender tube, wherein the size and shape of the slender tube is determined based on the size and shape of the base member, and wherein said measuring device measures by scanning along the axial direction of said slender tube.

8. (AMENDED) A device for containing, reacting and measuring according to claim 2, wherein said base member is formed in a long and slender shape such as a filament shape, or a braid shape, with various substances for detection having predetermined chemical structures lined up and fixed along the longitudinal direction, with each chemical structure associated with the fixed positions thereof, wherein said container section comprises a large diameter section for containing said integrated carrier and a small diameter section having an inlet/outlet at a tip end and capable of insertion into an external container, wherein said drawing and discharging section

draws and discharges said liquid into and from said large diameter section via said inlet/outlet, wherein the size and shape of said container section is determined based on the size and shape of said integrated carrier, and wherein said measuring device receives light from the base member external to said large diameter section.

02 9. (AMENDED) A device for containing, reacting and measuring according to claim 3, wherein said light receiving section of said measuring device is provided inside a light shielding box, and said light shielding box has a box body and a cover provided so as to cover an opening of said box body, and has opening provided in said cover to allow said container section to pass therethrough in order to insert said container section into said box body, and further comprising closure means which covers said opening to form a closure space with said container section inserted into said box body.

Remarks

Reconsideration of this application in light of the above amendments and the following remarks is requested.

Claims 1, 2, 5-9 have been amended and claims 3, 4, and 10 have been maintained in their original form.

Amended claim 1 now recites an integrated carrier having: a base member of a long and slender shape with various substances for detection having predetermined chemical structures fixed thereto so as to be lined up along a longitudinal direction thereof with each of the chemical structures associated with their fixed positions in a predetermined condition, and a carrier with said base member rolled therearound with each of the fixed positions exposed outwards. The above phrase, "in a predetermined condition" has been inserted in the claim 1, in order to make clear that each chemical structure of the substance for detection is associated with the fixed position of the substance in a predetermined condition and therefore chemical structure of the substance for detection is the integrated carrier can be specified by specifying the fixed positions.

In contrast thereto, the optical sensor of Slovacek, et al, which was applied in the above office action to reject several claims, includes a waveguide for propagating a radiation input along its length. The radiation input causes evanescent electromagnetic waves that are capable of simulating output emissions that are indicative of a reference material and of one or more molecular species or analytes. By comparing the emission(s) indicative of the reference material to the emission indicative of the presence of the molecular species or analyte, the presence and